



Name: SAGAR YANDA

Employee ID: A5MEC00T45

Designation: Asst. Professor

Department: Mechanical Engineering

Date of Birth: 23-08-1987

Father Name: Yanda Rajarao

Mother Name: Sattaru Venikumari

Reservation Category if Any: **BC-A**

Address: Door No 1-464, Sainaknagar, Tolusurupalli Road, Tekkali, Srikakulam

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Date of Joining in the Institution: 14-03-2014

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
PhD (ME)	NIT Raipur	-	Pursuing
M .Tech (Machine Design)	JNTU Kakinada	DISTINCTION	Oct, 2011
B.E (Mechanical)	Andhra University	FIRST CLASS	April, 2008

Total Years of Experience (Teaching/Industry): 07 Years

Period		Organization/Institution	Designation
Mar 2014	Till date	AITAM, Tekkali	Assistant Professor
Mar 2011	Apr 2013	DK Industries	Engineer

Areas of Interest:

1. Ediable Polymers
2. Design of Machine Members
3. Engineering Mechanics
4. Finite Element Analysis
5. Mechanics of Solids

Guidance of Academic Projects:

- i) Doctoral Projects : -
- ii) Masters Projects : 1
- iii) Bachelor Projects : 7

Memberships of Professional Societies and Other Organizations:

1. **Life member**, Indian Society for Technical Education (ISTE)

Other Responsibilities:

1. Department of Mechanical Engineering APSSDC Coordinator.
2. CAD/CAM Lab in charge

Details of Book Publications:

1. **Sagar Yanda**, Satish Geeri, Ashok Kumar Kottapalli” Fabrication and mechanical behaviour of E-glass fiber based composites” published book chapter on Lambert Academic publishing.
2. **Sagar Yanda**, Satish Geeri “Some Experimental Studies of Glass Fiber Oriented Reinforced Polymer Composites” published book chapter on AkiNik Publications, **ISBN:** 978-93-90420-33-9, **Book DOI:** <https://doi.org/10.22271/ed.book.970>

International Journals:

1. **Sagar Yanda**, Swami Naidu Gurugubelli “Micro hardness Studies on AL-8MG Alloys to Analyses The Deformation Behaviour” International Journal of Mechanical Engineering Research and Development (IJMERD), ISSN 2248 – 9347(Print) ISSN 2228 – 9355(Online), Volume 1, Number 2 May-October (2011), pp. 41-52
2. **Sagar Yanda**, B. Krishnamurthy, G.Satish “Finite Element Analysis of Axial Flow Turbine” International Journal of Innovative Research in Science, Engineering and Technology (An ISO 3297: 2007 Certified Organization) Vol. 4, Special Issue 6, May 2015.
3. D. Apparao, **Y. Sagar** “Design and Development of Hand Water Pump with a Pendulum” International Journal of Engineering and Management Research Volume-5, Issue-6, December-2015.
4. **Sagar Yanda**, D.Apparao “DESIGN AND ANALYSIS OF TURBO JET ENGINE” Asia Pacific Journal of Research Vol: I. Issue XLII, August 2016.
5. D. Sreeramulu, **Y. Sagar**, P. Suman and A.Satish Kumar “Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm” Indian Journal of Science and Technology, Vol 9(41), DOI: 10.17485/ijst/2016/v9i41/100874, November 2016
6. Ch.Ravikumar, P. Srihari, **Y Sagar** Thermal analysis of artificial hip joint by using biodegradable materials INTERNATIONAL JOURNAL FOR RESEARCH & DEVELOPMENT IN TECHNOLOGY
7. D.Sreeramulu, C.J.Rao, Y.Sagar, M.VenkateshFinite Element Modeling and Machining of Al 7075Using Coated Cutting ToolsScienceDirectMaterials Today: Proceedings 5 (2018) 8364–837
8. **Sagar Yanda**, Gunji Bala Murali,Dr. Siva Shankar raju, Bill Jason Duckworth, Chandra Sen, Sidakdeep Singh Chadha |”Design Optimization of Universal Joints for All-Terrain Vehicles” International Conference on Design, Automation, and Control (ICDAC 2020) IOP Conf. Series: Materials Science and Engineering doi:10.1088/1757-899X/1123/1/012012
9. C. J. Rao, R. Siva Sankara Raju, D. Sreeramulu, and **Y. Sagar** “Fabrication and Evaluation of Optimized Parametric Condition During EDM Machining of Al-CSA Composite Using Taguchi Orthogonal Array” Advances in Design and Thermal Systems Select Proceedings of ETDMMT 2020.

International Conferences:

1. **Sagar Yanda**, B. Krishnamurthy, G.Satish “Finite Element Analysis of Axial Flow Turbine”, International Conference on MULTICON’15, Muthayammal Engineering College, Rasipuram, Tamilnadu ,29-30 April’2015.
2. D. Sreeramulu, **Y. Sagar**, P. Suman and A.Satish Kumar “Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm” 2nd International Conference on Design, Analysis, Manufacturing & Simulation (ICDAMS 2016), Saveetha School of Engineering, Saveetha University, Chennai, 7-8 April 2016.
3. D. Sreeramulu, M. Venkatesh, **Y. Sagar**, A.Satish Kumar “Utilisation of Blending Karanja oil with Methanol in a Diesel Engine” International Conference on Recent Trends in Engineering, Science & Technology (ICRTEST-2016), St. Peter’s Engineering College, Dullapally, Hyderabad, 25-27 October 2016.
4. D.Sreeramulu, C.J.Rao, **Y.Sagar**, M.Venkatesh “Finite Element Modeling and Machining of Al 7075 Using Coated Cutting Tools” International on Emerging Trends in Materials and Manufacturing Engineering (IMME2017), NIT Trichy, Chennai, 10-12 March 2017.
5. **Sagar Yanda**, Gunji Bala Murali,Dr. Siva Shankar raju, Bill Jason Duckworth, Chandra Sen, Sidakdeep Singh Chadha |”Design Optimization of Universal Joints for All-Terrain Vehicles” International Conference on Design, Automation, and Control (ICDAC 2020) IOP Conf. Series: Materials Science and Engineering, held on 6th January to 8th January, 2020 at VIT Vellore, Tamil Nadu, India
6. **Sagar Yanda**, D.Sreeramulu, Chigilipalli Kiran “Automatic colour coding sensing punching machine based on Pneumatics” in International Virtual Conference on “Mechatronics, Automation and Cyber Physical Systems” (MAC-2020) organized by Centre for Mechatronics and Cyber Physical Systems, School of Mechanical Engineering, VIT, Vellore, Tamil Nadu, India, on 26 and 27th June 2020.

Details of Conferences / Workshops / Refresher Courses Attended

Internal:

S. No	Dates	Name of the programme	Host Institute
1.	15 th -16 th November, 2014	Two Day Seminar on “Twenty First Century, the dawn of Digital Era Algological Issues Of Technical Teachers”	AITAM, Tekkali
2.	17 th -21 th December, 2015	Five Day Faculty Development Program on “Advances and Applications of Composites, Nano Materials and Nano Fluids.	AITAM, TEKKALI
3.	13 th -14 th July, 2019	Five Day Faculty Development Program on “Outcome Based Education.	AITAM, TEKKALI
4.	1 st -5 th June, 2020	Advanced Manufacturing Enterprise in Digital Era	AITAM, TEKKALI

External:

S. No	Dates	Name of the programme	Host Institute
1.	10-12 April, 2014	Three Day national Workshop on “Advances and Applications of CFD”	JNTU K, Kakinada
2.	6 th December, 2014	One Day national Workshop on “Solid Waste Management in Ferrous and Non-Ferrous Industries”	JNTU Kakinada, University college of engineering Vizianagaram
2.	29-30 April, 2015	“Finite Element Analysis of Axial Flow Turbine”, International Conference on MULTICON’15	Muthayammal Engineering College, Rasipuram, Tamilnadu
3.	07-08 April, 2016	2 nd International Conference on Design, Analysis, Manufacturing & Simulation (ICDAMS 2016) on “Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm”	Saveetha University, Chennai
4.	25-27 October, 2016	” International Conference on Recent Trends in Engineering, Science & Technology (ICRTEST-2016) on “Utilisation of Blending Karanja oil with Methanol in a Diesel Engine”	St. Peter’s Engineering College, Dullapally, Hyderabad
5.	28 th November-03 December 2016	One Week Faculty Improvement Program (FIP) on “Autodesk Nastran In-CAD”	Madanapalle Institute of Technology & Science (MITS), Chittoor
6.	10-12 March, 2017	” International on Emerging Trends in Materials and Manufacturing Engineering (IMME2017) on “Finite Element Modeling and Machining of Al 7075 Using Coated Cutting Tools”	NIT Trichy, Chennai
7.	4-6 February, 2019	Current Trends in Aerospace	APSSDC
8	15-10 October, 2019	One Week Faculty Developmentt Program (FDP) on “Product Re-Engineering”	APSSDC
8.	18-24 April, 2020	Practical aspects of Finite Element Analysis Using ABAQUES	APSSDC
9.	30 April-02 May, 2020	Automotive Structures Design using CATIA	APSSDC

10	30th April to 4th May 2020.	Design, Simulation and Development of Unmanned Aerial Vehicles (Drones) and Applications in Various Engineering Sectors	NAFEMS in association with Rajarambapu Institute of Technology, Islampur, Maharashtra
11.	6th May to 9th May 2020	3D printing for design and advanced development applications for automotive structures	NAFEMS in association with Rajarambapu Institute of Technology, Islampur, Maharashtra
12.	18th May to 30th May 2020	CATIA	APSSDC
13.	21th May to 23rd May 2020	Design for Manufacturing And Assembly (DfMA)	APSSDC
14.	21th May to 23rd May 2020	Outcome Based Education	Lendi Institute Of Technology
15.	28th May to 30th May 2020	Finite Element Analysis for Beginner: Theory and Simulation	VIT, Vellore
16.	1 st June to 13 th June 2020	SOLID EDGE	APSSDC
17.	03 rd June to 06 th June 2020	Finite Element Analysis approach for industrial applications using ANSYS	APSSDC
18.	8 th June to 10 th June 2020	Fluid & Structural Simulation using CRADLE	Lakireddy Bali Reddy College of Engineering, Mylavaram.
19.	22 nd June to 27 th June 2020	Effective Research Writing using LaTeX	IIT Bombay
20.	20 th July to 24 th July 2020	CATIA V5 Chassis Design	APSSDC

Certifications:

1. Got certified with Elite (46%) from NPTEL online certification course (8 Weeks) on “Engineering Mechanics: Statics and Dynamics” conducted by IIT, Madras in Feb-March 2018.
2. Got certified with Elite (67%) from NPTEL online certification course (8 Weeks) on “Introduction to Operations Research” conducted by IIT, Madras in Aug-Sept 2018
3. Got certified with Elite (76%) from NPTEL online certification course (8 Weeks) on “Accreditation and Outcome Based Learning” conducted by IIT, Kharagpur in Aug-Oct 2019
4. Got certified from PYTHAGORAS ENGINEERING CONSULTANCY & SERVICES online certification course (1 Week) on “FEA applications in industries using ANSYS”(1 week) in June 2020.

Other Achievements:

1. Secured All India GATE Rank 3877 in 2009
2. **Y.Sagar**, for having been selected as the **best paper** “Integration of Process Planning and Scheduling of a Manufacturing Systems using Petri nets and Genetic Algorithm” 2nd International Conference on Design, Analysis, Manufacturing & Simulation (ICDAMS 2016), Saveetha School of Engineering, Saveetha University, Chennai, 7-8 April 2016.
3. Ratified as Asst. Professor in 2016 JNTUK selections.

**Signature**